

AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A method: comprising:

controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system;

monitoring during each of predetermined time units the power used in a transmission between said terminal device and said transceiver device ~~during each of predetermined time units~~;

requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units, the specific information element having either a positive value for increasing power or a negative value for decreasing power;

storing, during a predetermined number of the values of specific information elements of period comprising a plurality of subsequent time units, a plurality of the values of the specific information elements;

calculating a power raise requested for the power used in the transmission by summing the ~~predetermined number of the values of the~~ stored values of the plurality of specific information elements;

calculating an average received power of transmission during the predetermined period comprising the plurality of subsequent time units by using the stored values of the specific information elements;

determining whether or not the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

if the determination is positive, inhibiting an increase of the power used in the transmission even if an increase is requested, and

if the determination is negative, allowing an increase of the power used in the

transmission when an increase is requested.

~~inhibiting an increase of the power used in the transmission even if the increase is requested if the determination is positive; and~~

~~allowing an increase of the power used in the transmission when the increase is requested if the determination is negative.~~

2. (Previously Presented) The method of claim 1, wherein said predetermined time unit is a timeslot.

3. (Previously Presented) The method of claim 1, wherein said predetermined time unit is a frame composed of a plurality of timeslots.

4. (Previously Presented) The method of claim 1, wherein a value of each one of said specific information elements used in each predetermined time unit is one of -1 indicating a request for a decrease of power and +1 indicating a request for an increase of power.

5-6. (Canceled)

7. (Currently Amended) The method of claim 1, wherein said method is performed by at least one of said terminal device and said transceiver ~~station~~ device.

8. (Previously Presented) The method of claim 1, wherein said method is performed in a downlink direction.

9. (Previously Presented) The method of claim 1, wherein said method is performed in an uplink direction.

10. (Currently Amended) A device comprising:

controlling means for controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system;

monitoring means for monitoring during each of predetermined time units the power used in a transmission between said terminal device and said transceiver device;

requesting means for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units, the specific information element having either a positive value for increasing power or a negative value for decreasing power;

storing means for storing, during a predetermined number of period comprising a plurality of subsequent time units, a plurality of the values of the specific information elements ~~of a plurality of subsequent time units;~~

calculating means for calculating a power raise requested for the power used in the transmission by summing the ~~predetermined number~~ stored values of the plurality of the values of the specific information elements;

calculating means for calculating an average received power of transmission during the predetermined period comprising the plurality of subsequent time units by using stored values of the specific information elements;

determining means for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

an output means for outputting a signal configured to one of inhibit an increase of the power used in the transmission even if an increase is requested if the determination is positive and allow an increase of the power used in the transmission when the increase is requested if the determination is negative.

11. (Previously Presented) The device of claim 10, wherein said predetermined time unit is a timeslot.

12. (Previously Presented) The device of claim 10, wherein said predetermined time unit is a frame composed of a plurality of timeslots.

13. (Previously Presented) The device of claim 10, wherein a value of each one of said specific information elements used in each predetermined time unit is one of -1 indicating a

request for a decrease of power and +1 indicating a request for an increase of power.

14-15. (Canceled)

16. (Previously Presented) The device of claim 10, wherein said device is included by at least one of said terminal device and said transceiver station.

17. (Previously Presented) The device of claim 10, wherein said device is configured to perform a power control in a downlink direction.

18. (Previously Presented) The device of claim 10, wherein said device is configured to perform a power control in an uplink direction.

19. (Previously Presented) The method of claim 2, wherein said method is performed by at least one of said terminal device and said transceiver station.

20. (Currently Amended) The method of claim 3, wherein said method is performed by at least one of said terminal device and said transceiver ~~station~~ device.

21. (Currently Amended) The method of claim 4, wherein said method is performed by at least one of said terminal device and said transceiver ~~station~~ device.

22-23. (Canceled)

24. (Previously Presented) The method of claim 2, wherein said method is performed in a downlink direction.

25. (Previously Presented) The method of claim 3, wherein said method is performed in a downlink direction.

S.N.: 10/018,584
Art Unit: 2616

26. (Previously Presented) The method of claim 4, wherein said method is performed in a downlink direction.

27-28. (Canceled)

29. (Previously Presented) The method of claim 2, wherein said method is performed in an uplink direction.

30. (Previously Presented) The method of claim 3, wherein said method is performed in an uplink direction.

31. (Previously Presented) The method of claim 4, wherein said method is performed in an uplink direction.

32-33. (Canceled)

34 (Currently Amended) The device of claim 11, wherein said device is included by at least one of said terminal device and said transceiver ~~station~~ device.

35. (Currently Amended) The device of claim 12, wherein said device is included by at least one of said terminal device and said transceiver ~~station~~ device.

36. (Currently Amended) The device of claim 13, wherein said device is included by at least one of said terminal device and said transceiver ~~station~~ device.

37-38. (Canceled)

39. (Previously Presented) The device of claim 11, wherein said device is configured to perform a power control in a downlink direction.

40. (Previously Presented) The device of claim 12, wherein said device is configured to perform a power control in a downlink direction.

41. (Previously Presented) The device of claim 13, wherein said device is configured to perform a power control in a downlink direction.

42-43. (Canceled)

44. (Previously Presented) The device of claim 11, wherein said device is configured to perform a power control in an uplink direction.

45. (Previously Presented) The device of claim 12, wherein said device is configured to perform a power control in an uplink direction.

46. (Previously Presented) The device of claim 13, wherein said device is configured to perform a power control in an uplink direction.

47-48. (Canceled)

49. (Currently Amended) A base transceiver station comprising:

 a control unit for controlling a power used for transmitting data between a terminal device of a communication system;

 a monitoring unit for monitoring the power used in a transmission between said terminal device and said transceiver device during each of predetermined time units;

 a request unit for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units, the specific information element having either a positive value for increasing power or a negative value for decreasing power;

 a storage unit for storing, during a predetermined period comprising a plurality of subsequent time units, a plurality of the ~~number of~~ values of the specific information

~~elements of a plurality of subsequent time units;~~

a first calculating unit for calculating a power raise requested for the power used in the transmission by summing the stored values of the plurality ~~the predetermined number of the values~~ of the specific information elements;

a second calculating unit for calculating an average received power of transmission during the predetermined period comprising the plurality of subsequent time units by using stored values of the specific information elements;

a determining unit for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

an output unit for outputting a signal configured to one of inhibit an increase of the power used in the transmission even if an increase is requested if the determination is positive and allow an increase of the power used in the transmission when the increase is requested if the determination is negative.

50. (Currently Amended) A terminal device comprising:

a control unit for controlling a power used for transmitting data to a transceiver device of a communication system;

a monitoring unit for monitoring the power used in a transmission between said terminal device and said transceiver device during each of predetermined time units;

a request unit for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units, the specific information element having either a positive value for increasing power or a negative value for decreasing power;

a storage unit for storing, during a predetermined period comprising a plurality of subsequent time units, a plurality of the ~~number of~~ values of the specific information ~~elements of a plurality of subsequent time units;~~

a first calculating unit for calculating a power raise requested for the power used in the transmission by summing the ~~predetermined number of the~~ stored values of the plurality of the specific information elements;

a second calculating unit for calculating an average received power of transmission

during the predetermined period comprising the plurality of subsequent time units by using stored values of the specific information elements;

a determining unit for determining whether the calculated power raise is greater than a sum of the calculated average power of transmission and a predetermined level; and

an output unit for outputting a signal configured to one of inhibit an increase of the power used in the transmission even if an increase is requested if the determination is positive and allow an increase of the power used in the transmission when the increase is requested if the determination is negative.

51. (Currently Amended) A computer program product embodied on a computer-readable medium and comprising computer programming that, when executed result in operations for controlling a power used for transmitting data between a terminal device and a transceiver device of a communication system, the computer-readable medium being encoded with a computer program, the computer programming comprising:

program code for monitoring during each of predetermined time units the power used in a transmission between said terminal device and said transceiver device;

program code for requesting an increase or a decrease of the power used in the transmission by using a specific information element for each of the predetermined time units, the specific information element having either a positive value for increasing power or a negative value for decreasing power;

program code for storing, during a predetermined number of values of the specific information elements of a period comprising a plurality of subsequent time units, a plurality of the values of the specific information elements;

program code for calculating a power raise requested for the power used in the transmission by summing the ~~predetermined number~~ stored values of the plurality of the values of the specific information elements;

program code for calculating an average received power of transmission during the predetermined period comprising the plurality of subsequent time units by using stored values of the specific information elements;

program code for determining whether the calculated power raise is greater than a sum

S.N.: 10/018,584
Art Unit: 2616

of the calculated average power of transmission and a predetermined level;

program code for inhibiting an increase of the power used in the transmission even if an increase is requested if the determination is positive; and

program code for allowing an increase of the power used in the transmission when the increase is requested if the determination is negative.